

WHAT IS CLAIMED IS:

1. A multimedia reproduction apparatus using output buffering in a mobile communication terminal, the apparatus comprising:
 - 5 a data parsing section for dividing multimedia data into video data and other data and then parsing the video data and the other data;
 - a video data processing section for decoding, by the frame, the parsed video data, which is transmitted from the data parsing section, and for buffering a predetermined number of video frames of the decoded data;
 - 10 a media delay output controller for delaying the other data parsed by and transmitted from the data parsing section according to buffering information of the video data processing section, for outputting the delayed data, and for generating a synchronizing signal;
 - an audio data processing section for decoding and outputting audio data from among the other data output from the media delay output controller;
 - 15 a video data output section for reading and outputting the video data buffered by the video data processing section, by the frame using control data from among the other data output from the media delay output controller; and
 - a synchronizing section for synchronizing and outputting the video data output from the video data output section and the audio data output from the audio data processing section according to a synchronizing signal of the media delay output controller.
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2. The multimedia reproduction apparatus as claimed in claim 1, wherein
 - 25 the video data processing section comprises:
 - a video controller for outputting the parsed video data received from the data parsing section by the frame;
 - a video decoder decoding the video data received by the frame through the video controller, by the frame; and
 - 30 a buffer for buffering the predetermined number of video frames of the decoded video data, and transmitting a buffering completion signal to the video controller when

the predetermined number of video frames have been buffered, the video controller transmitting buffering information to the media delay output controller according to the buffering completion signal received from the buffer.

5 3. The multimedia reproduction apparatus as claimed in claim 1, wherein the synchronizing signal of the media delay output controller is time information.

 4. The multimedia reproduction apparatus as claimed in claim 1, wherein the predetermined number of video frames are buffered, so that the video data is output
10 by an average decoding time of the predetermined and buffered number of video frames.

 5. The multimedia reproduction apparatus as claimed claim 1, wherein the multimedia data is data of a Korea 3 Generation (K3G) type.

15 6. The multimedia reproduction apparatus as claimed in claim 1, wherein the multimedia data is data of a third Generation Partnership Project (3GPP) type.

 7. The multimedia reproduction apparatus as claimed in claim 1, wherein the multimedia data is data of a third Generation Partnership Project 2 (3GPP2) type.
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 8. The multimedia reproduction apparatus as claimed in claim 1, wherein the multimedia data is data of a Real-time Transport Protocol (RTP) type.

 9. A control method using output buffering to reproduce multimedia data
25 in a mobile communication terminal, the control method comprising the steps of:

(1) receiving the multimedia data, dividing multimedia data into video data and other data, and parsing the video data and the other data, respectively, in the mobile communication terminal;

(2) storing video frame start addresses of the video data parsed in step (1),
30 decoding the video data by the frame, and buffering a predetermined number of video frames;

(3) outputting the other data parsed in step (1) after delaying the other data as long as the predetermined number of video frames buffered in step (2);

(4) decoding and outputting audio data by the frame in which the audio data is included in the data output in step (3), and the outputting video frames buffered in step
5 (2) according to control information included in the data output in step (3); and

(5) synchronizing and outputting the video frames and audio frames output in step (4) according to time information.

10 10. The control method as claimed in claim 9, further comprising a step (6) of generating a buffering completion control signal when the predetermined number of video frames have been buffered in step (2), transmitting the buffering completion control signal, and controlling the delaying process of step (3) to be performed.

15 11. The control method as claimed in claim 9, wherein the predetermined number of video frames are buffered and output, so that the video frames are output by an average decoding time of the predetermined and buffered number of video frames.

20 12. The control method as claimed in claim 9, wherein, in step (5), when the time information of a video frame and an audio frame output in step (4) does not correspond to each other, a frame having prior time information waits for the other frame from among the video frame and the audio frame, thereby performing the synchronization.